

# Allergens per 0.5 mL

<b>Amphotericin B</b>	RabAvert (Novartis)	Rabies	< 2 ng
<b>Chlortetracyclin</b>	RabAvert (Novartis)	Rabies	residual, < 20 ng
<b>Egg</b>	Afluria (CSL)	Influenza	residual egg proteins
	Agriflu (Novartis)	Influenza	residual, <0.4 mcg
	Fluarix (GSK)	Influenza	residual
	FluLaval (GSK)	Influenza	residual (≤1 mcg ovalbumin)
	Flumist (MedImmune)	Influenza	residual
	Fluvirin (Novartis)	Influenza	residual (≤1 mcg ovalbumin)
	Fluzone (sp)	Influenza	residual
	MMR II (Merck)	MMR	residual
	ProQuad (Merck)	MMR+varicella	residual
	RabAvert (Chiron)	Rabies	trace amounts
	YF-Vax (sp)	Yellow Fever	trace amounts
<b>Gelatin (Bovine)</b>	RabAvert (Novartis)	Rabies	<12 mg (Polygeline)
<b>Gelatin (Porcine)</b>	Flumist (MedImmune)	Influenza	Hydrolyzed Gelatin, 2.00 mg
	Fluzone (sp)	Influenza	0.05% (added as a stabilizer)
	JE-Vax	Japanese Encephalitis	500 mcg (per 1 mL dose)
	MMR II (Merck)	MMR	Hydrolyzed Gelatin, 14.5 mg
	ProQuad (Merck)	MMR+varicella	Hydrolyzed Gelatin, 11 mg
	Tripedia (sp)	DTaP	residual used in the production of the pertussis concentrate
	Varivax (Merck)	Varicella	Hydrolyzed Gelatin, 12.5 mg
	YF-Vax (sp)	Yellow Fever	as stabilizer
	Zostavax (Merck)	Varicella Zoster	Hydrolyzed gelatin, 15.58 mg
<b>Gentamicin Sulfate</b>	Flumist (MedImmune)	Influenza	<0.015 mcg/mL
	Fluarix (GSK)	Influenza	≤0.15 mcg
<b>Latex</b>	ActHIB (AP)	Hib	Diluent vial stopper; vaccine vial contains no rubber
	Agriflu (Novartis)	Influenza	Prefilled syringe tip may contain latex
	Biothrax (Emergent)	Anthrax	Vial stopper contains latex
	Boostrix (GSK)	Tdap	Cap/Plunger of needleless prefilled syringe contains dry natural latex rubber
	Certarix (GSK)	HPV	Tip cap and plunger of needleless prefilled syringes contain dry natural latex rubber
	Comvax (Merck)	Hib-HepB	Stopper
	DAPTACEL (sp)	DTaP	Stopper
	DT (AP)	DT	Stopper
	Engerix-B (GSK)	Hep B	Cap/Plunger of needleless prefilled syringe contain dry natural latex rubber
	Fluarix (GSK)	Influenza	Cap/Plunger of needleless prefilled syringe contain dry natural latex rubber
	Fluvirin (Novartis)	Influenza	Prefilled syringes may contain latex
	Fluzone (sp)	Influenza	Prefilled syringes may contain latex
	Havrix (GSK)	Hep A	Cap/Plunger of needleless prefilled syringe contain dry natural latex rubber
	Hiberix (GSK)	Hib	Prefilled syringes may contain latex
	HibTITER (Wyeth)	Hib	Vial stopper contains dry natural rubber
	Infanrix (GSK)	DTaP	Cap/Plunger of needleless prefilled syringe contain dry natural latex rubber

	Kinrix (GSK)	DTaP/IPV	Syringe may contain dry natural latex rubber
	Menactra (sp)	Meningococcal	Stopper
	MENOMUNE (sp)	Meningococcal	Stopper
	Pediarix (GSK)	DTaP-HepB-IPV	Cap/Plunger of needleless prefilled Syringe contain dry natural latex rubber
	PedvaxHIB (Merck)	Hib	
	Rotarix (GSK)	Rotavirus	Tip cap and Rubber Plunger of applicator
	TriHIBit (sp)	DTaP-Hib	Diluent vial stopper; vaccine vial contains no rubber
	Tripedia (sp)	DTaP	Stopper
	Twinrix (GSK)	Hep AB	Tip cap and plunger of needleless prefilled syringes contain dry natural latex rubber; vial stopper is latex-free
	Vaqta (Merck)	Hepatitis A	Stopper
	YF-Vax (sp)	Yellow Fever	Stopper
Neomycin	ACAM2000 (sp)	Smallpox	trace amounts
	Afluria (CSL)	Influenza	$\leq 0.2$ pg [ $2.0 \times 10^{-7}$ mcg] (Neomycin sulfate)
	Agriflu (Novartis)	Influenza	$\leq 0.02$ mcg (Neomycin sulfate)
	Fluvirin (Novartis)	Influenza	$\leq 2.5$ mcg
	Havrix (GSK)	Hep A	$\leq 40$ ng/mL (Neomycin sulfate)
	Imovax Rabies (sp)	Rabies	$< 150$ mcg (Neomycin Sulfate)
	IPOL (sp)	Polio	$< 5$ ng [.005 mcg]
	Kinrix (GSK)	DTaP/IPV	$\leq 0.05$ ng [ $5.0 \times 10^{-5}$ mcg]
	MMR II (Merck)	MMR	25 mcg
	Pediarix (GSK)	DTaP-HepB-IPV	$\leq 0.05$ ng [ $5.0 \times 10^{-5}$ mcg]
	Pentacel (sp)	DTaP-IPV-Hib	$< 4$ pg [ $4.0 \times 10^{-6}$ mcg]
	ProQuad (Merck)	MMR+Varicella	$< 16$ mcg
	RabAvert (Chiron)	Rabies	$< 1$ mcg
	Twinrix (GSK)	Hep AB	$\leq 20$ ng [0.02 mcg]
	Vaqta (Merck)	Hepatitis A	$< 10$ ppb
	Varivax (Merck)	Varicella	trace amounts
	Zostavax (Merck)	Varicella Zoster	trace amounts
Ovalbumin	Afluria (CSL)	Influenza	$\leq 1$ mcg
	Fluarix (GSK)	Influenza	$\leq 0.05$ mcg
	FluLaval (sp)	Influenza	$\leq 1$ mcg
	Fluvirin (Novartis)	Influenza	$\leq 1$ mcg
	RabAvert (Novartis)	Rabies	$< 3$ ng [0.003 mcg]
Polymyxin B	ACAM2000 (sp)	Smallpox	trace amounts
	Afluria (CSL)	Influenza	$\leq 0.03$ pg [ $3.0 \times 10^{-8}$ mcg]
	Fluvirin (Novartis)	Influenza	$\leq 3.75$ mcg
	IPOL (sp)	Polio	25 ng [0.025 mcg]
	Kinrix (GSK)	DTaP/IPV	$\leq 0.01$ ng [ $1.0 \times 10^{-5}$ mcg]
	Pediarix (GSK)	DTaP-HepB-IPV	$\leq 0.01$ ng [ $1.0 \times 10^{-5}$ mcg]
	Pentacel (sp)	DTaP-IPV-Hib	$< 4$ pg [ $4.0 \times 10^{-6}$ mcg] (polymyxin B sulfate)
Serum, Fetal Bovine	IPOL (sp)	Polio	$< 1$ ppm
	MMR II (Merck)	MMR	$< 1$ ppm
	ProQuad (Merck)	MMR+varicella	0.5 mcg
	RotaTeq (Merck)	Rotavirus	trace amounts
	Varivax (Merck)	Varicella	trace amounts

	Zostavax (Merck)	Varicella Zoster	trace amounts
<b>Sodium taurodeoxycholate</b>	Afluria (CSL)	Influenza	<10 ppm
<b>Streptomycin</b>	IPOL (sp)	Polio	<200 ng [0.2 mcg]
<b>Thimerosal</b>	ActHIB (AP)	Hib	≤0.3 mcg
	Afluria (CSL)	Influenza	24.5 mcg mercury
	Decavac (sp)	Td	≤0.3 mcg mercury
	DT (sp)	DT	≤0.3 mcg mercury in 1 mL vial
	FluLaval (GSK)	Influenza	25 mcg mercury
	Fluvirin (Novartis)	Influenza	25 mcg mercury per dose in multidose vial
	Fluzone (sp)	Influenza	25 mcg mercury in multi-dose vial
	JE-Vax (sp)	Japanese Encephalitis	0.007%
	MENOMUNE (sp)	Meningococcal	25 mcg mercury in multidose diluent
	Td Adsorbed (Aventis)	Tetanus Toxoid Adsorbed	≤0.3 mcg mercury
	TriHIBit (sp)	Hib	trace amounts
	Tripedia (sp)	DTaP	trace amounts; ≤0.3 mcg mercury
<b>Yeast</b>	Comvax (Merck)	Hib-HepB	≤1% yeast protein
	Engerix-B (GSK)	Hep B	<5% yeast protein
	Gardasil (Merck)	HPV	<7 mcg yeast protein/dose
	HibTITER (Wyeth)	Hib	"...yeast extract-based medium that is ultrafiltered before use."
	Menveo (Novartis)	Meningococcal	"...CY medium containing yeast extracts ..."
	Pediarix (GSK)	Hep B	≤5% yeast protein
	Prevnar (WL)	Pneumococcal	"...and yeast extract-based medium"
	Recombivax HB (Merck)	Hep B	≤1% yeast protein
	Twinrix (GSK)	Hep AB	≤5% yeast protein
	Vivotif Berna (Berna)	Typhoid	yeast extract from media
<i>updated January 2011</i>			

# Excipients per 0.5 mL

updated October 2011

Excipient	Type	Vaccine Name	Vaccine Type	Amount
2-Phenoxyethanol	Stabilizer	Adacel	Tdap	(not as a preservative)
2-Phenoxyethanol	Stabilizer	Daptacel	DTaP	3.3 mg (0.6% v/v) (not as a preservative)
2-Phenoxyethanol	Preservative	IPOL	Polio	0.5% (as a preservative)
2-Phenoxyethanol	Stabilizer	Pentacel	DTaP+IPV+Hib	3.3 mg (0.65 v/v) not (as a preservative)
3-O-desacyl-4'-monophosphoryl lipid A (MPL)	Adjuvant	Cervarix	HPV	50 mcg
Albumin	Stabilizer	Imovax	Rabies	<100 mg
Albumin, Bovine	Stabilizer	Ixiaro	Japanese Encephalitis	≤100 ng/mL
Albumin, Bovine	Stabilizer	Pentacel	DTaP+IPV+Hib	≤50 ng residual
Albumin, Bovine	Stabilizer	Vaqta	HepA	<10 <sup>-4</sup> mcg
Albumin, Calf Serum	Stabilizer	Kinrix	DTaP+IPV	VERO cell culture growth
Albumin, Calf Serum	Stabilizer	Zostavax	Zoster	trace amounts
Albumin, Calf Serum Protein	Stabilizer	IPOL	IPV	< 1 ppm
Albumin, Calf Serum Protein	Stabilizer	Pediarix	DTaP+HepB+IPV	Ingredient in growth medium
Albumin, Calf Serum Protein	Stabilizer	Pentacel	DTaP+IPV+Hib	supplements CMRL 1969 medium
Albumin, Calf Serum Protein	Stabilizer	ProQuad	MMRV	0.5 mcg
Albumin, Egg (Ovalbumin)	Residual Medium	Afluria	Influenza	≤1 mcg
Albumin, Egg (Ovalbumin)	Residual Medium	Fluarix	Influenza	≤0.05 mcg
Albumin, Egg (Ovalbumin)	Residual Medium	Flulaval	Influenza	≤ 1 mcg
Albumin, Egg (Ovalbumin)	Residual Medium	Fluvirin	Influenza	≤1 mcg
Albumin, Egg (Ovalbumin)	Residual Medium	FluZone	Influenza	limited quantity
Albumin, Egg (Ovalbumin)	Residual Medium	RabAvert	Rabies	< 3 ng/dose
Albumin, Fetal Bovine Serum	Stabilizer	MMR-II	MMR	<1 ppm
Albumin, Fetal Bovine Serum	Stabilizer	RotaTeq	Rotavirus	trace amounts
Albumin, Fetal Bovine Serum	Stabilizer	Varivax	Varicella	trace amounts
Albumin, Human Serum	Diluent/Stabilizer	ACAM2000	Smallpox	2%
Albumin, Human Serum	Diluent/Stabilizer	MMR-II	MMR	≤0.3 mg
Albumin, Human Serum	Diluent/Stabilizer	ProQuad	MMRV	0.31 mg
Albumin, Human Serum	Diluent/Stabilizer	RabAvert	Rabies	<0.3 mg
Alcohol	Purification	Pneumovax 23	Pneumococcal 23-valent	Amount not specified in Package Insert
Aluminum	Adjuvant	Adacel	Tdap	0.33 mg
Aluminum	Adjuvant	BioThrax	Anthrax	1.2 mg/mL
Aluminum	Adjuvant	Boostrix	Tdap	≤ 0.39 mg
Aluminum	Adjuvant	Cervarix	HPV	0.5 mg aluminum hydroxide
Aluminum	Adjuvant	Comvax	Hib+HepB	225 mcg as amorphous aluminum hydroxyphosphate sulfate
Aluminum	Adjuvant	Daptacel	DTaP	0.33 mg
Aluminum	Adjuvant	Decavac	Td	≤ 0.28 mg, as aluminum potassium sulfate adjuvant
Aluminum	Adjuvant	DT	DT	≤0.17 mg
Aluminum	Adjuvant	Engerix-B	HepB	0.5 mg/mL as aluminum hydroxide
Aluminum	Adjuvant	Gardasil	HPV	225 mcg as Amorphous Aluminum Hydroxyphosphate Sulfate adjuvant
Aluminum	Adjuvant	Havrix	HepA	0.5 mg/mL as aluminum hydroxide
Aluminum	Adjuvant	Infanrix	DTaP	≤ 0.625 mg as aluminum hydroxide
Aluminum	Adjuvant	Ixiaro	Japanese Encephalitis	250 mcg aluminum hydroxide
Aluminum	Adjuvant	Kinrix	DTaP+IPV	≤0.6 mg aluminum hydroxide
Aluminum	Adjuvant	Pediarix	DTaP+HepB+IPV	≤ 0.85 mg
Aluminum	Adjuvant	PedvaxHIB	Hib+HepB	225 mcg amorphous aluminum hydroxyphosphate sulfate
Aluminum	Adjuvant	Pentacel	DTaP+IPV+Hib	0.33 mg
Aluminum	Adjuvant	Prevnar	Pneumococcal 7-valent	0.125 mg
Aluminum	Adjuvant	Prevnar 13	Pneumococcal 13-valent	0.125 mg
Aluminum	Adjuvant	Recombivax HB	HepB	0.5 mg/mL
Aluminum	Adjuvant	Td	Td	≤0.53 mg
Aluminum	Adjuvant	Tripedia	DTaP	0.170 mg
Aluminum	Adjuvant	Twinrix	HepA+HepB	0.45 mg as aluminum phosphate and aluminum hydroxide
Aluminum	Adjuvant	Vaqta	HepA	0.45 mg/mL (0.225 mg in ped dose)
Aluminum Potassium Sulfate	Adjuvant	Decavac	Td	Amount not specified in Package Insert
Amino Acid	Medium Nutrient	BioThrax	Anthrax	in growth medium
Amino Acid	Medium Nutrient	Cervarix	HPV	in growth medium
Amino Acid	Medium Nutrient	Comvax	Hib+HepB	Amount not specified in Package Insert
Amino Acid	Medium Nutrient	FluMist	Influenza	2.42 mg/dose Arginine
Amino Acid	Medium Nutrient	Gardasil	HPV	in growth medium

<b>Amino Acid</b>	Medium Nutrient	Havrix	HepA	0.3% in a phosphate-buffered saline solution
<b>Amino Acid</b>	Medium Nutrient	Menveo	Meningococcal	Ingredient in growth medium
<b>Amino Acid</b>	Medium Nutrient	MMR-II	MMR	Ingredient in growth medium (Medium 199)
<b>Amino Acid</b>	Medium Nutrient	PedvaxHIB	Hib+HepB	Amount not specified in Package Insert
<b>Amino Acid</b>	Medium Nutrient	Recombivax HB	HepB	Ingredient of fermentation medium
<b>Amino Acid</b>	Medium Nutrient	Rotarix	Rotavirus	in DMEM (Dulbecco's Modified Eagle Medium)
<b>Amino Acid</b>	Medium Nutrient	Twinrix	HepA+HepB	Amount not specified in Package Insert
<b>Amino Acid</b>	Medium Nutrient	Vivotif	Typhoid	1.4-7 mg/capsule
<b>Ammonium Sulfate</b>	Protein Purifier	ActHIB	Hib	purification
<b>Ammonium Sulfate</b>	Protein Purifier	Adacel	Tdap	purification
<b>Ammonium Sulfate</b>	Protein Purifier	Decavac	Td	purification
<b>Ammonium Sulfate</b>	Protein Purifier	Menactra	Meningococcal	purification
<b>Ammonium Sulfate</b>	Protein Purifier	Prevnar	Pneumococcal 7-valent	Ingredient in purification
<b>Ammonium Sulfate</b>	Protein Purifier	Prevnar 13	Pneumococcal 13-valent	Ingredient in purification
<b>Ammonium Sulfate</b>	Protein Purifier	Td	Td	purification
<b>Ammonium Sulfate</b>	Protein Purifier	Tripedia	DTaP	purification
<b>Amphotericin B</b>	Antimicrobial	RabAvert	Rabies	<2 ng
<b>Ascorbic Acid</b>	Anitoxidant	Vivotif	Typhoid	1-5 mg/capsule
<b>Benzethonium Chloride</b>	Preservative	BioThrax	Anthrax	25 mcg/mL
<b>Beta-Propiolactone</b>	Viral Inactivator	Afluria	Influenza	< 25 ng
<b>Beta-Propiolactone</b>	Viral Inactivator	Fluvirin	Influenza	≤ 5 mcg
<b>Beta-Propiolactone</b>	Viral Inactivator	Imovax	Rabies	Amount not specified in Package Insert
<b>Beta-Propiolactone</b>	Viral Inactivator	RabAvert	Rabies	Amount not specified in Package Insert
<b>Bovine Casein</b>	Medium Nutrient	Boostrix	Tdap	Amount not specified in Package Insert
<b>Bovine Casein</b>	Medium Nutrient	Infanrix	DTaP	12.2-18.3 ng/mL <sup>1</sup>
<b>Bovine Casein</b>	Medium Nutrient	Kinrix	DTaP+IPV	Ingredient in Latham medium
<b>Bovine Casein</b>	Medium Nutrient	Pediarix	DTaP+HepB+IPV	Ingredient of Latham medium
<b>Bovine Casein</b>	Medium Nutrient	Vivotif	Typhoid	in medium
<b>Bovine Extract</b>	Medium Nutrient	Boostrix	Tdap	Amount not specified in Package Insert
<b>Bovine Extract</b>	Medium Nutrient	Decavac	Td	Amount not specified in Package Insert
<b>Bovine Extract</b>	Medium Nutrient	DT	DT	Amount not specified in Package Insert
<b>Bovine Extract</b>	Stabilizer	Infanrix	DTaP	Ingredient in Fenton medium
<b>Bovine Extract</b>	Stabilizer	Kinrix	DTaP+IPV	Ingredient in Fenton medium
<b>Bovine Extract</b>	Stabilizer	Pediarix	DTaP+HepB+IPV	Ingredient of Fenton medium
<b>Bovine Extract</b>	Stabilizer	Td	Td	Ingredient in Mueller's media
<b>Bovine Extract</b>	Stabilizer	Tripedia	DTaP	Ingredient in medium
<b>Bovine, Casamino Acid</b>	Stabilizer	Adacel	Tdap	8.1-17.3 ng/mL <sup>1</sup>
<b>Bovine, Casamino Acid</b>	Stabilizer	Daptacel	DTaP	10 ng/mL <sup>1</sup>
<b>Bovine, Casamino Acid</b>	Stabilizer	Pentacel	DTaP+IPV+Hib	Ingredient of Mueller-Miller medium
<b>Bovine, Casamino Acid</b>	Stabilizer	Prevnar	Pneumococcal 7-valent	Ingredient of growth medium
<b>Bovine, Casamino Acid</b>	Stabilizer	Prevnar 13	Pneumococcal 13-valent	Ingredient in growth medium
<b>Calcium Carbonate</b>	Buffer	Rotarix	Rotavirus	Ingredient in diluent
<b>Calcium Chloride</b>	Medium Nutrient	Afluria	Influenza	1.5 mcg
<b>Calcium Chloride</b>	Medium Nutrient	Rotarix	Rotavirus	in DMEM (Dulbecco's Modified Eagle Medium)
<b>Carbohydrates</b>	Medium Nutrient	Gardasil	HPV	in fermentation medium
<b>Cetyltrimethylammonium Bromide (CTAB)</b>	Protein Purifier	Agriflu	Influenza	≤12 mcg
<b>Chick Embryo</b>	Residual Medium	MMR-II	MMR	No intact cells (may have trace residual protein)
<b>Chick Embryo</b>	Residual Medium	ProQuad	MMRV	No intact cells (may have trace residual protein)
<b>Chick fibroblasts</b>	Protein Purifier	RabAvert	Rabies	Growth medium
<b>Chlortetracycline</b>	Antimicrobial	RabAvert	Rabies	1 mcg
<b>Dextrose</b>	Medium Nutrient	Comvax	Hib+HepB	Amount not specified in Package Insert
<b>Dextrose</b>	Medium Nutrient	Recombivax HB	HepB	Ingredient of fermentation medium
<b>Dextrose</b>	Medium Nutrient	Twinrix	HepA+HepB	Amount not specified in Package Insert
<b>Dextrose</b>	Medium Nutrient	Vivotif	Typhoid	in medium
<b>D-glucose</b>	Medium Nutrient	Rotarix	Rotavirus	in DMEM
<b>Dimethyl-beta-cyclodextrin</b>	Medium Nutrient	Adacel	Tdap	Amount not specified in Package Insert
<b>Dimethyl-beta-cyclodextrin</b>	Medium Nutrient	Daptacel	DTaP	Amount not specified in Package Insert
<b>Dimethyl-beta-cyclodextrin</b>	Medium Nutrient	Pentacel	DTaP+IPV+Hib	Ingredient of Stainer-Scholte medium
<b>DNA</b>	Residual Medium	Ixiaro	Japanese Encephalitis	≤200 pg/mL ('host cell DNA')
<b>DNA</b>	Residual Medium	ProQuad	MMRV	residual component of MRC-5 cells
<b>DNA</b>	Residual Medium	Vaqta	HepA	< 4 x 10 <sup>-6</sup> mcg
<b>DNA</b>	Residual Medium	Varivax	Varicella	residual component of MRC-5 cells
<b>DNA</b>	Residual Medium	Zostavax	Zoster	residual component of MRC-5 cells

<b>Egg Protein</b>	Residual Medium	Agriflu	Influenza	<0.4 mcg (residual amounts)
<b>Egg, Allantoic fluid</b>	Residual Medium	FluMist	Influenza	Amount not specified in Package Insert
<b>Ethylene diamine-Tetracetic Acid Sodium (EDTA)</b>	Preservative	FluMist	Influenza	added to the H3N2 dilution buffer
<b>Ethylene diamine-Tetracetic Acid Sodium (EDTA)</b>	Preservative	RabAvert	Rabies	0.3 mg sodium EDTA
<b>Ethylene diamine-Tetracetic Acid Sodium (EDTA)</b>	Preservative	Varivax	Varicella	trace amounts
<b>Ferric (III) Nitrate</b>	Medium Nutrient	Rotarix	Rotavirus	in DMEM (Dulbecco's Modified Eagle Medium)
<b>Formaldehyde</b>	Inactivating Agent	ActHIB	Hib	<0.5 mcg
<b>Formaldehyde</b>	Inactivating Agent	Adacel	Tdap	≤ 5 mcg
<b>Formaldehyde</b>	Inactivating Agent	Agriflu	Influenza	≤ 10 mcg
<b>Formaldehyde</b>	Inactivating Agent	BioThrax	Anthrax	100 mg/mL (added as a preservative)
<b>Formaldehyde</b>	Inactivating Agent	Boostrix	Tdap	≤ 100 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	Comvax	Hib+HepB	≤ 0.0004% (w/v) residual
<b>Formaldehyde</b>	Inactivating Agent	Daptacel	DTaP	≤ 5 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	Decavac	Td	≤ 100 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	DT	DT	< 0.02%
<b>Formaldehyde</b>	Inactivating Agent	Fluarix	Influenza	≤ 5 mcg
<b>Formaldehyde</b>	Inactivating Agent	Flulaval	Influenza	≤ 25 mcg
<b>Formaldehyde</b>	Inactivating Agent	FluZone	Influenza	≤ 100 mcg/.5mL in Fluzone ≤ 20 mcg in Fluzone Intradermal
<b>Formaldehyde</b>	Inactivating Agent	Havrix	HepA	≤0.1 mg/mL formalin
<b>Formaldehyde</b>	Inactivating Agent	Hiberix	Hib	<0.5 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	Infanrix	DTaP	≤ 100 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	IPOL	Polio	≤ 0.02%
<b>Formaldehyde</b>	Inactivating Agent	Ixiaro	Japanese Encephalitis	≤ 200 pmm
<b>Formaldehyde</b>	Inactivating Agent	JE-Vax	Japanese Encephalitis	<200 mcg
<b>Formaldehyde</b>	Inactivating Agent	Kinrix	DTaP+IPV	≤ 100 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	Menactra	Meningococcal	<2.66 mcg
<b>Formaldehyde</b>	Inactivating Agent	Menveo	Meningococcal	≤ 0.3 mcg
<b>Formaldehyde</b>	Inactivating Agent	Pediarix	DTaP+HepB+IPV	≤ 100 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	Pentacel	DTaP+IPV+Hib	5 mcg (residual)
<b>Formaldehyde</b>	Inactivating Agent	Recombivax HB	HepB	<15 mcg/mL (residual)
<b>Formaldehyde</b>	Inactivating Agent	Td	Td	< 100 mcg
<b>Formaldehyde</b>	Inactivating Agent	Tripedia	DTaP	< 100 mcg
<b>Formaldehyde</b>	Inactivating Agent	Twinrix	HepA+HepB	≤0.1 mg formalin
<b>Formaldehyde</b>	Inactivating Agent	Vaqta	HepA	<0.8 mcg
<b>Galactose</b>	Medium Nutrient	Vivotif	Typhoid	in medium
<b>Gelatin</b>	Stabilizer	FluZone	Influenza	0.05% in 0.25 mL and 0.5 mL Fluzone None in Fluzone HiDose or Intradermal
<b>Gelatin</b>	Manufacturing residue	JE-Vax	Japanese Encephalitis	500 mcg
<b>Gelatin</b>	Stabilizer	Tripedia	DTaP	Used in production of pertussis concentrate
<b>Gelatin</b>	Stabilizer	YF-Vax	Yellow Fever	Amount not specified in Package Insert
<b>Gelatin, Bovine</b>	Stabilizer, solvent	RabAvert	Rabies	12 mg polygeline
<b>Gelatin, hydrolyzed</b>	Stabilizer	MMR-II	MMR	14.5 mg
<b>Gelatin, hydrolyzed</b>	Stabilizer	ProQuad	MMRV	11 mg
<b>Gelatin, hydrolyzed</b>	Stabilizer	Varivax	Varicella	12.5 mg
<b>Gelatin, Porcine, Hydrolyzed</b>	Stabilizer	FluMist	Influenza	2.00 mg/0.2 mLdose
<b>Gelatin, Porcine, Hydrolyzed</b>	Stabilizer	Zostavax	Varicella Zoster	15.58 mg
<b>Gentamicin Sulfate</b>	Antimicrobial	Fluarix	Influenza	≤0.15 mcg
<b>Gentamicin Sulfate</b>	Antimicrobial	FluMist	Influenza	<0.015 mcg/mL
<b>Glucose</b>	Medium Nutrient	Pneumovax 23	Pneumococcal 23-valent	Ingredient of growth medium
<b>Glutamate</b>	Medium Nutrient	MMR-II	MMR	Ingredient in growth medium (Medium 199)
<b>Glutaraldehyde</b>	Inactivating Agent	Adacel	Tdap	<50 ng (residual)
<b>Glutaraldehyde</b>	Inactivating Agent	Boostrix	Tdap	Amount not specified in Package Insert
<b>Glutaraldehyde</b>	Inactivating Agent	Daptacel	DTaP	< 50 ng (residual)
<b>Glutaraldehyde</b>	Inactivating Agent	Infanrix	DTaP	Amount not specified in Package Insert
<b>Glutaraldehyde</b>	Inactivating Agent	Kinrix	DTaP+IPV	Amount not specified in Package Insert
<b>Glutaraldehyde</b>	Inactivating Agent	Pediarix	DTaP+HepB+IPV	Amount not specified in Package Insert
<b>Glutaraldehyde</b>	Inactivating Agent	Pentacel	DTaP+IPV+Hib	< 50 ng (residual)
<b>Glycerin</b>	Stabilizer	ACAM2000	Smallpox	50% v/v in diluent
<b>HEPES</b>	Buffer	ACAM2000	Smallpox	6-8 mM
<b>Hexadecyltrimethylammonium Bromide</b>	Protein Purifier	Typhim Vi	Typhoid	Amount not specified in Package Insert
<b>Hydrocortisone</b>	Medium Nutrient	Fluarix	Influenza	≤0.0016 mcg
<b>Insect cell</b>	Residual medium	Cervarix	HPV	residual amounts

<b>Kanamycin</b>	Antimicrobial	Agriful	Influenza	≤0.03 mcg
<b>Lactalbumin Hydrolysate</b>	Medium Nutrient	Kinrix	DTaP+IPV	Ingredient in growth medium
<b>Lactalbumin Hydrolysate</b>	Medium Nutrient	Pediarix	DTaP+HepB+IPV	Ingredient in growth medium
<b>Lactose</b>	Stabilizer	Hiberix	Hib	12.6 mg
<b>Lactose</b>	Stabilizer	Menomune	Meningococcal	2.5-5 mg
<b>Lactose</b>	Stabilizer	Vivotif	Typhoid	100-180 mg/capsule
<b>L-cystine</b>	Medium Nutrient	Rotarix	Rotavirus	Amount not specified in Package Insert
<b>L-histidine</b>	Medium Nutrient	Gardasil	HPV	0.78 mg
<b>L-tyrosine</b>	Medium Nutrient	Rotarix	Rotavirus	Amount not specified in Package Insert
<b>Magnesium Stearate</b>	Lubricant for capsule filling	Vivotif	Typhoid	3.6-4.4 mg/capsule
<b>Magnesium Sulfate</b>	Medium Nutrient	Rotarix	Rotavirus	Amount not specified in Package Insert
<b>Mannitol</b>	Stabilizer	ACAM2000	Smallpox	5%
<b>Monosodium glutamate</b>	Stabilizer	FluMist	Influenza	0.188 mg/0.2 mL dose
<b>Monosodium L-glutamate</b>	Stabilizer	ProQuad	MMRV	0.40 mg
<b>Monosodium L-glutamate</b>	Stabilizer	Zostavax	Varicella Zoster	0.62 mg
<b>Monosodium L-glutimate</b>	Stabilizer	Varivax	Varicella	0.5 mg
<b>Mouse Serum Protein</b>	Manufacturing residue	JE-Vax	Japanese Encephalitis	< 50 ng
<b>MRC-5</b>	Manufacturing residue	Havrix	HepA	≤ 5 mcg/mL
<b>MRC-5</b>	Manufacturing residue	Imovax	Rabies	MRC-5 strain
<b>MRC-5</b>	Growth Medium	Pentacel	DTaP+IPV+Hib	MRC-5 strain
<b>MRC-5</b>	Manufacturing residue	ProQuad	MMRV	residual
<b>MRC-5</b>	Manufacturing residue	Twinrix	HepA+HepB	≤2.5 mcg
<b>MRC-5</b>	Manufacturing residue	Vaqta	HepA	Amount not specified in Package Insert
<b>MRC-5</b>	Manufacturing residue	Varivax	Varicella	residual components
<b>MRC-5</b>	Manufacturing residue	Zostavax	Varicella Zoster	residual
<b>Neomycin</b>	Antimicrobial	ACAM2000	Smallpox	Trace amounts
<b>Neomycin</b>	Antimicrobial	Agriflu	Influenza	≤0.02 mcg (residual amounts)
<b>Neomycin</b>	Antimicrobial	Fluvirin	Influenza	≤2.5 mcg
<b>Neomycin</b>	Antimicrobial	IPOL	IPV	< 5 ng
<b>Neomycin</b>	Antimicrobial	Kinrix	DTaP+IPV	≤ 0.05 ng
<b>Neomycin</b>	Antimicrobial	MMR-II	MMR	25 mcg
<b>Neomycin</b>	Antimicrobial	Pediarix	DTaP+HepB+IPV	≤ 0.05 ng
<b>Neomycin</b>	Antimicrobial	Pentacel	DTaP+IPV+Hib	< 4 pg
<b>Neomycin</b>	Antimicrobial	ProQuad	MMRV	< 16 mcg
<b>Neomycin</b>	Antimicrobial	RabAvert	Rabies	<1 mcg
<b>Neomycin</b>	Antimicrobial	Vaqta	HepA	residual
<b>Neomycin</b>	Antimicrobial	Varivax	Varicella	trace amounts
<b>Neomycin</b>	Antimicrobial	Zostavax	Varicella Zoster	trace amounts
<b>Neomycin Sulfate</b>	Antimicrobial	Afluria	Influenza	≤0.2 pg
<b>Neomycin Sulfate</b>	Antimicrobial	Havrix	HepA	≤ 40ng/mL
<b>Neomycin Sulfate</b>	Antimicrobial	Imovax	Rabies	<150 mcg
<b>Neomycin Sulfate</b>	Antimicrobial	Twinrix	HepA+HepB	≤ 20 ng
<b>Nonylphenol Ethoxylate</b>	Surfactant	Fluvirin	Influenza	≤0.15% w/v
<b>Octoxynol-10 (Triton X-100)</b>	Surfactant	Fluarix	Influenza	≤ 0.085 mg
<b>Octylphenol Ethoxylate (Triton X-100)</b>	Surfactant	FluZone	Influenza	≤ 150 mcg/0.5mL Fluzone ≤250 mcg in Fluzone HiDose ≤50 mcg in Fluzone Intradermal
<b>Peptone</b>	Medium Nutrient	Decavac	Td	peptone-based medium
<b>Peptone</b>	Medium Nutrient	DT	TD	Amount not specified in Package Insert
<b>Peptone</b>	Medium Nutrient	Tripedia	DTaP	Ingredient in medium
<b>Peptone, Soy</b>	Medium Nutrient	Comvax	Hib+HepB	Amount not specified in Package Insert
<b>Peptone, Soy</b>	Medium Nutrient	Prevnam	Pneumococcal 7-valent	Growth medium
<b>Peptone, Soy</b>	Medium Nutrient	Prevnam 13	Pneumococcal 13-valent	Growth medium
<b>Peptone, Soy</b>	Medium Nutrient	Recombivax HB	HepB	Ingredient of fermentation medium
<b>Phenol</b>	Preservative, antibacterial	ACAM2000	Smallpox	0.25% v/v in diluent
<b>Phenol</b>	Preservative, antibacterial	PedvaxHIB	Hib+HepB	Ingredient in purification procedure
<b>Phenol</b>	Preservative	Pneumovax 23	Pneumococcal 23-valent	0.25% as a preservative
<b>Phenol</b>	Preservative,	Typhim Vi	Typhoid	0.25% as a preservative



	antibacterial			
Phenol Red Indicator	pH indicator, dye	Imovax	Rabies	20 mcg
Phenol Red Indicator	pH indicator, dye	Rotarix	Rotavirus	Ingredient of Growth Medium
Phosphate Buffer	Buffer	Afluria	Influenza	20 mcg potassium phosphate monobasic 80 mcg sodium phosphate monobasic 300 mcg sodium phosphate dibasic
Phosphate Buffer	Buffer	Cervarix	HPV	0.624 mg sodium dihydrogen phosphate dihydrate
Phosphate Buffer	Buffer	Engerix-B	HepB	0.98 mg/mL Disodium Phosphate Dihydrate 0.71 mg/mL Sodium Dihydrogen Phosphate Dihydrate
Phosphate Buffer	Buffer	FluMist	Influenza	0.96 mg/0.2 mL dose potassium phosphate monobasic 2.26 mg/dose potassium phosphate dibasic
Phosphate Buffer	Buffer	FluZone	Influenza	Sodium phosphate-buffered isotonic sodium chloride solution
Phosphate Buffer	Buffer	Havrix	HepA	Phosphate-buffered saline solution
Phosphate Buffer	Buffer	Ixiaro	Japanese Encephalitis	potassium dihydrogen phosphate, phosphate buffered saline
Phosphate Buffer	Buffer	Menactra	Meningococcal	Amount not specified in Package Insert
Phosphate Buffer	Buffer	MMR-II	MMR	sodium phosphate
Phosphate Buffer	Buffer	ProQuad	MMRV	36 mcg potassium phosphate dibasic 72 mcg potassium phosphate monobasic 0.34 mg sodium phosphate dibasic
Phosphate Buffer	Buffer	Rotarix	Rotavirus	sodium phosphate in DMEM (medium)
Phosphate Buffer	Buffer	RotaTeq	Rotavirus	sodium phosphate monobasic monohydrate
Phosphate Buffer	Buffer	Typhim Vi	Typhoid	0.65 mg Disodium Phosphate 0.023 mg Monosodium Phosphate
Phosphate Buffer	Buffer	Varivax	Varicella	0.08 mg potassium phosphate monobasic 0.45 mg sodium phosphate dibasic Trace amounts sodium phosphate monobasic
Phosphate Buffer	Buffer	Zostavax	Varicella Zoster	0.10 mg potassium phosphate monobasic 0.57 mg sodium phosphate monobasic
Polymyxin	Antimicrobial	Fluvirin	Influenza	≤3.75 mcg
Polymyxin B	Antimicrobial	ACAM2000	Smallpox	Trace amounts
Polymyxin B	Antimicrobial	Afluria	Influenza	≤ 0.03 pg
Polymyxin B	Antimicrobial	IPOL	Polio	25 ng
Polymyxin B	Antimicrobial	Kinrix	DTaP+IPV	≤ 0.01 ng
Polymyxin B	Antimicrobial	Pediarix	DTaP+HepB+IPV	≤ 0.01 ng
Polymyxin B	Antimicrobial	Pentacel	DTaP+IPV+Hib	< 4 pg
Polysorbate 20	Surfactant	Havrix	HepA	0.05 mg/mL
Polysorbate 20	Surfactant	Twinrix	HepA+HepB	Amount not specified in Package Insert
Polysorbate 80	Surfactant	Agriflu	Influenza	≤ 50 mcg
Polysorbate 80	Surfactant	Boostrix	Tdap	≤ 100 mcg (Tween 80)
Polysorbate 80	Surfactant	Fluarix	Influenza	≤ 0.415 mg (Tween 80)
Polysorbate 80	Surfactant	Gardasil	HPV	50 mcg
Polysorbate 80	Surfactant	Infanrix	DTaP	≤ 100 mcg (Tween 80)
Polysorbate 80	Surfactant	JE-Vax	Japanese Encephalitis	< 0.0007%
Polysorbate 80	Surfactant	Kinrix	DTaP+IPV	≤ 100 mc (Tween 80)
Polysorbate 80	Surfactant	Pediarix	DTaP+HepB+IPV	≤ 100 mcg (Tween 80)
Polysorbate 80	Surfactant	Pentacel	DTaP+IPV+Hib	10 ppm
Polysorbate 80	Surfactant	Prevna 13	Pneumococcal 13-valent	100 mcg
Polysorbate 80	Surfactant	RotaTeq	Rotavirus	Amount not specified in Package Insert
Polysorbate 80	Surfactant	Tripedia	DTaP	Used in production of pertussis concentrate
Porcine DNA	Residual Medium	RotaTeq	Rotavirus	'DNA from PCV1 and PCV2 has been detected'
Potassium Aluminum Sulfate	Adjuvant	Comvax	Hib+HepB	Amount not specified in Package Insert
Potassium Aluminum Sulfate	Adjuvant	Recombivax HB	HepB	Amount not specified in Package Insert
Potassium Chloride	Buffer	Afluria	Influenza	20 mcg
Potassium Chloride	Buffer	ProQuad	MMRV	60 mcg
Potassium Chloride	Medium Nutrient	Rotarix	Rotavirus	in medium
Potassium Chloride	Buffer	Varivax	Varicella	0.08 mg
Potassium Chloride	Buffer	Zostavax	Varicella Zoster	0.10 mg
Potassium Glutamate	Stabilizer	RabAvert	Rabies	1 mg
Protamine Sulfate	Protein Purifier	Ixiaro	Japanese Encephalitis	≤ 1 mcg/mL
Salts	Adjust tonicity	Pneumovax 23	Pneumococcal 23-valent	Amount not specified in Package Insert
Salts and Sugars, Inorganic	Medium Nutrient	BioThrax	Anthrax	Amount not specified in Package Insert
Salts, Inorganic	Medium Nutrient	Twinrix	HepA+HepB	Amount not specified in Package Insert



Salts, Mineral	Adjust tonicity	ACAM2000	Smallpox	0.5-0.7% (sodium chloride)
Salts, Mineral	Adjust tonicity	ActHIB	Hib	0.4% sodium chloride in diluent
Salts, Mineral	Adjust tonicity	Afluria	Influenza	4.1 mg sodium chloride
Salts, Mineral	Adjust tonicity	BioThrax	Anthrax	0.85% sodium chloride
Salts, Mineral	Adjust tonicity	Boostrix	Tdap	4.5 mg sodium chloride
Salts, Mineral	Adjust tonicity	Cervarix	HPV	4.4 mg sodium chloride
Salts, Mineral	Adjust tonicity	Comvax	Hib+HepB	0.9% sodium chloride
Salts, Mineral	Adjust tonicity	Engerix-B	HepB	9 mg/mL sodium chloride
Salts, Mineral	Adjust tonicity	Gardasil	HPV	9.56 mg sodium chloride
Salts, Mineral	Adjust tonicity	Hiberix	Hib	0.9% sodium chloride in diluent
Salts, Mineral	Adjust tonicity	Infanrix	DTaP	4.5 mg as sodium chloride
Salts, Mineral	Adjust tonicity	Kinrix	DTaP+IPV	4.5 mg sodium chloride
Salts, Mineral	Adjust tonicity	MMR-II	MMR	sodium chloride
Salts, Mineral	Adjust tonicity	Pediarix	DTaP+HepB+IPV	4.5 mg sodium chloride
Salts, Mineral	Adjust tonicity	PedvaxHIB	Hib+HepB	0.9% sodium chloride
Salts, Mineral	Adjust tonicity	ProQuad	MMRV	2.4 mg sodium chloride
Salts, Mineral	Adjust tonicity	Recombivax HB	HepB	Ingredient of fermentation medium
Salts, Mineral	Adjust tonicity	Rotarix	Rotavirus	in DMEM (medium)
Salts, Mineral	Adjust tonicity	Twinrix	HepA+HepB	Amount not specified in Package Insert
Salts, Mineral	Adjust tonicity	Typhim Vi	Typhoid	4.150 mg sodium chloride
Salts, Mineral	Adjust tonicity	Vaqa	HepA	0.9% sodium chloride
Salts, Mineral	Adjust tonicity	Varivax	Varicella	3.2 mg sodium chloride
Salts, Mineral	Adjust tonicity	YF-Vax	Yellow Fever	Diluent
Salts, Mineral	Adjust tonicity	Zostavax	Varicella Zoster	3.99 mg sodium chloride
Sodium Bicarbonate	Buffer	ProQuad	MMRV	0.17 mg
Sodium Borate	Buffer	Comvax	Hib+HepB	35 mcg (decahydrate)
Sodium Borate	Buffer	Gardasil	HPV	35 mcg
Sodium Borate	Buffer	Vaqa	HepA	70 mcg (in 0.9% sodium chloride)
Sodium Citrate	Adjust pH	RotaTeq	Rotavirus	Amount not specified in Package Insert
Sodium Deoxycholate	Surfactant	Fluarix	Influenza	≤ 50 mcg
Sodium Deoxycholate	Surfactant	Flulaval	Influenza	≤ 50 mcg
Sodium Metabisulphite	Stabilizer	Ixiaro	Japanese Encephalitis	≤ 200 ppm
Sodium Pyruvate	Medium Nutrient	Rotarix	Rotavirus	in DMEM (medium)
Sodium Taurodeoxycholate	Protein Purifier	Afluria	Influenza	≤10 ppm (residual amounts)
Sorbitol	Stabilizer, solvent	MMR-II	MMR	14.5 mg
Sorbitol	Stabilizer, solvent	ProQuad	MMRV	1.8 mg
Sorbitol	Stabilizer, solvent	Rotarix	Rotavirus	Amount not specified in Package Insert
Sorbitol	Stabilizer, solvent	YF-Vax	Yellow Fever	Amount not specified in Package Insert
Streptomycin	Antimicrobial	IPOL	Polio	200 ng
Succinate Buffer	Stabilizer	Prevnam 13	Pneumococcal 13-valent	295 mcg
Sucrose	Stabilizer	ActHIB	Hib	8.5%
Sucrose	Stabilizer	FluMist	Influenza	13.68 mg/dose
Sucrose	Stabilizer	JE-Vax	Japanese Encephalitis	40% w/v
Sucrose	Stabilizer	MMR-II	MMR	1.9 mg
Sucrose	Stabilizer	ProQuad	MMRV	21 mg
Sucrose	Stabilizer	Rotarix	Rotavirus	Amount not specified in Package Insert
Sucrose	Stabilizer	RotaTeq	Rotavirus	Amount not specified in Package Insert
Sucrose	Stabilizer	Varivax	Varicella	25 mg
Sucrose	Stabilizer	Vivotif	Typhoid	26-130 mg/capsule
Sucrose	Stabilizer	Zostavax	Varicella Zoster	31.16 mg
Thimerosal	Preservative	ActHIB	Hib	0.3 mcg mercury (if combined with Tripedia)
Thimerosal	Preservative	Afluria	Influenza	24.5 mcg mercury
Thimerosal	Manufacturing Residual	Decavac	Td	≤ 0.3 mcg mercury, trace amounts (not as a preservative)
Thimerosal	Manufacturing Residual	DT	DT	≤ 0.3 mcg mercury, trace amounts
Thimerosal	Preservative	Flulaval	Influenza	25 mcg mercury
Thimerosal	Preservative	Fluvirin	Influenza	25 mcg mercury/dose in multidose vial ≤ 0.1 mcg mercury in prefilled syringe
Thimerosal	Preservative	Fluzone	Influenza	25 mcg mercury/0.5mL in Fluzone None in .25 mL, Fluzone HiDose or Intradermal
Thimerosal	Preservative	JE-Vax	Japanese Encephalitis	0.007%
Thimerosal	Preservative	Menomune	Meningococcal	None in single-dose 25 mcg mercury/dose in multi-dose diluent
Thimerosal	Manufacturing Residue	Td	Td	≤ 0.3 mcg mercury, trace amounts
Thimerosal	Manufacturing Residue	Tripedia	DTaP	≤ 0.3 mcg mercury, trace amounts

<b>Vero Cells</b>	Growth Medium	ACAM2000	Smallpox	Amount not specified in Package Insert
<b>Vero Cells</b>	Growth Medium	IPOL	Polio	Amount not specified in Package Insert
<b>Vero cells</b>	Medium Nutrient	Ixiaro	Japanese Encephalitis	Amount not specified in Package Insert
<b>Vero Cells</b>	Growth Medium	Kinrix	DTaP+IPV	Amount not specified in Package Insert
<b>Vero Cells</b>	Growth Medium	Pediarix	DTaP+HepB+IPV	Amount not specified in Package Insert
<b>Vero Cells</b>	Growth Medium	Rotarix	Rotavirus	Amount not specified in Package Insert
<b>Vitamin</b>	Medium Nutrient	MMR-II	MMR	Ingredient in grown medium (Medium 199)
<b>Vitamin</b>	Medium Nutrient	Twinrix	HepA+HepB	Amount not specified in Package Insert
<b>Vitamins</b>	Medium Nutrient	BioThrax	Anthrax	Ingredient of growth medium
<b>Vitamins</b>	Medium Nutrient	Cervarix	HPV	Ingredient of growth medium
<b>Vitamins</b>	Protein Purifier	Fluarix	Influenza	≤ 0.1 mg α-Tocopheryl Hydrogen Succinate
<b>Vitamins</b>	Medium Nutrient	Gardasil	HPV	Ingredient of growth medium
<b>Xanthan</b>	Thickening agent	Rotarix	Rotavirus	Ingredient in diluent
<b>Yeast</b>	Medium Nutrient	Comvax	Hib+HepB	≤ 1% yeast protein
<b>Yeast</b>	Medium Nutrient	Engerix-B	HepB	≤ 5% yeast protein
<b>Yeast</b>	Medium Nutrient	Gardasil	HPV	< 7 mcg yeast protein/dose
<b>Yeast</b>	Medium Nutrient	Menveo	Meningococcal	Ingredient in growth medium
<b>Yeast</b>	Medium Nutrient	Pediarix	DTaP+HepB+IPV	≤ 5% yeast protein
<b>Yeast</b>	Medium Nutrient	Pneumovax 23	Pneumococcal 23-valent	Ingredient of growth medium
<b>Yeast</b>	Medium Nutrient	Prevnam	Pneumococcal 7-valent	Ingredient of growth medium
<b>Yeast</b>	Medium Nutrient	Prevnam 13	Pneumococcal 13-valent	Ingredient of growth medium
<b>Yeast</b>	Medium Nutrient	Recombivax HB	HepB	≤ 1% yeast protein
<b>Yeast</b>	Medium Nutrient	Twinrix	HepA+HepB	≤ 5% yeast protein
<b>Yeast</b>	Medium Nutrient	Vivotif	Typhoid	Amount not specified in Package Insert

<sup>1</sup> Kattan JB, et al. J Allergy Clin Immunol 2011; 128(1):215-8.